

outputting a haptic feedback to the touch screen via an actuator coupled to the touch screen, wherein the actuator outputs the haptic feedback when the sensed movement is recognized as the predetermined gesture.

5. A touch screen comprising:

a sensor coupled to the touch screen, wherein the sensor is configured to measure movement of a user's digit along the touch screen and output a sensor signal associated with the measured force;

a processor coupled to the sensor wherein the processor outputs an activating signal based on the sensor signal; and

an actuator coupled to the processor, wherein the actuator outputs a haptic effect upon receiving the activating signal, wherein the haptic effect varies in frequency or magnitude as a function of velocity of the user's digit across the touch screen.

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